PROCEDURE FOR VERIFYING TIMERS (AASHTO T 72, T 201, and T 202)

A. PURPOSE

This procedure provides instructions for checking the accuracy of timing devices.

B. APPARATUS REQUIRED

1. Timer, readable to 0.1 sec., having a verified accuracy within the tolerance listed in above test methods.

C. PROCEDURE

- 1. Hold the calibrated timer in one hand and the timer to be checked in the opposite hand.
- 2. Start the timers simultaneously by pressing the "start" buttons at the same time.
- 3. Allow the timers to run for at least 15 minutes, then stop the timers simultaneously. Record the time indicated by both timers.
- 4. Record the difference between the two timers. Calculate and record the percent accuracy.

% Accuracy =
$$\frac{\text{(A-B)}}{\text{B}}$$
 x 100

A = Reading on lab timer (seconds)

B = Reading on standard timer (seconds)

D. TOLERANCE

Timer is to be accurate to within 0.1% when tested over a 60 minute interval.

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EQUIPMENT VERIFICATION RECORD

Verified By:	Date:					
Equipment: Timers	Location (Lab):					
Identification No.:	Verification Frequency: 6 months					
Previous Verification Date:	Next Due Date:					
Verification Equipment Used: Calibrated timer, SN:						
Verification Procedure: OMR-CVP-53 / AASHTO T 72						

ID#	Serial #	Manufacturer	Timer Type	Grad (1/10 sec.)	Calibrated Timer Reading	Timer Being Verified Reading	Difference (sec.)	% Accuracy
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